

Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

JAMES ZEHRINGER, DIRECTOR

Richard J. Simmers, Chief Division of Oil and Gas Resources Management 2045 Morse Road, Building F-2 Columbus, OH 43229-6693 Phone: (614) 265-6922; Fax: (614) 265-6910

October 21, 2013

Ms. Anna Miller, Ohio Coordinator U.S. EPA, Region 5 77 West Jackson Blvd. Chicago, IL 60604-3590 ATTN: 5WU-16J

Dear Ms. Miller:

Enclosed please find the reporting forms for all of Federal Fiscal Year 2013 that covers Class II and Class III wells in Ohio. Please note that separate forms were completed for Class II Annular Disposal wells. Additionally, I have included the UIC well inventory and Semi Annual Technical Report.

If you have any questions regarding this matter, please feel free to contact me at (614) 265-1032.

Sincerely,

Tom Tomastik, Geologist

UIC Section

Ohio Division of Oil and Gas Resources Management

2045 Morse Road, F-2

Columbus, Ohio 43229-6693

Enclosures

Cc: Bob Worstall, Deputy Chief

File



UIC Federal Reporting System Part I: Permit Review and Issuance/ Wells In Area of Review

I. Name and Address of Reporting Agency

Ohio Department of Natural Resources Division of Oil and Gas Resources Management 2045 Morse Road, F-2

Columbus, Ohio 43229-6693 III. State contact/phone (614) 265-1032 II. Date October 21, 2013

IV. Reporting period (month, year)

FROM October 1, 2012 09/30/13

						Class and Type of Injection Wells						
						II						
]	ITE	M		AD	SWD 2D	ER 2R	HC 2H	III	IV	V
V. Permit Application	1	Num	ber o	f Permit Applicat	ions Received		15	4		7		
			A	# of Individual	New wells		40	2		7		
VI.			A	Permits Issued (one well)	Existing wells		1	0		0		
Permit	Per			# of area permits	New well field		0	0		0		
Determin- ation	Issu	ied	В	issued (multiple wells)	Existing field		0	0		0		a dina
			C	# of wells in	New wells		0	0		0		
				area permits	Existing wells		0	0		0		
	Permit not issued D Modification			# of permits de withdrawn (aft technical review	er complete		0	0		0		
	Modific Issued	cation	E	# of Major Peri Modifications A			3	0		0		
VII. Permit File	Number of Class II Wells Reviewed				Wells reviewed		231	131		47		
Review			00.00		Wells deficient		0	0		0		
	Wells		A	# of wells in	Abandoned Wells		26	83		7		
	Review	ed 		Area of Review	Other wells		63	72		32		
VIII.	Wells		В	# of wells	Abandoned Wells		0	0		0		
Area Of Review	Identifi For C/A	2.000		identified for Corrective Action	Other wells		0	0		0		
(AOR)	Wells w	ith	С	1. # of wells in A repaired/re-c	emented C/A		0	0		0		
	C/A			2. # of active we Plugged/Aba			0	0		0		
				3. # of abandon AOR re-plug	7 (44 C.) C. (45 A. A. (45 A.) (45 A.)		1	0		0		
,				4. # of wells in AOR with "other" corrective action Monitoring and/or field monitoring			0	0		0		

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature and Typed or Printed Name and Title of Person Completing Form

Tom Tomastik, Geologist

10/21/2013



UIC Federal Reporting System Part II: Compliance Evaluation Significant Noncompliance

I. Name and Address of Reporting

Agency
Ohio Department of Natural Resources
Division of Oil and Gas Resources Management
2045 Morse Road, F-2
Columbus, Ohio 43229-6693

II.	III. State	IV. I	Reporti	ng peri	od (m	onth,	/ear)						
October	21, 2013		contact/phone Tom Tomastik	FROM				T					
			(614) 265-1032	Octo	ber 1,	2012		0	9/30/20	13			
					Class	and Ty	pe of l	njectio	n Wells	80 - Millian (1)			
						II	•						
		EM	_	AD	SWD 2D	ER 2R	HC 2H	III	IV	V			
	Total Wells	A	Number of Wells with SNC Violations		35	16		0					
v.			1. # of unauthorized SNC violations		0	0		0					
Summary Of			2. # of Mechanical		28	9		0					
Significant Non- Compliance (SNC)		В	Integrity SNC violations										
			3. # of Injection Pressure SNC violations		1	1		0					
	Total Violations		4. # of plugging and abandonment SNC violations		0	0		0					
			5. # of SNC violations of Formal Orders		0	0		0					
			6. # of Falsification SNC Violations		0	0		0					
	Formal Orders												
	Total Wells	A	# of wells with Enforcement Actions		29	10		0					
VI.	•		1. # of notices of Violation		29	10		0					
Summary			2. # of Consent Agreements/Orders		0	0		0					
Of	Total Enforcement	В	3. # of Administrative Orders		0	0		0					
Enforcement	Actions		4. # of Civil Referrals		0	0		0					
Against			5. # of Criminal Referrals		0	0		0					
SNC			6. # of Well Shut-Ins		0	0		0					
			7. # of Pipeline Severances		NA	NA		NA					
			8. # of other enforcement actions against SNC Violations (specify)		0	0		0					
VII. Summary of Compliance	# of wells in SNC Returned to		A. This Quarter		14	8		0					
•	Compliance		B. This Year		28	10		0					
VIII. Contamination	# of cases of A USDW	llege	d Contamination of a	Involu	ntary We	ll Closur	e						
IX. Well	Class IV/Enda	ngeri	ng Class V	Volunt	ary Well	Closure							
closure	Well Closures												

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Signature and Typed or Printed Name and Title of Person Completing Form

Date

Phone number

Tom Tomastik. Geologist

10/21/2013

(614) 265-1032

EPA/ Form 7520-2B

UIC Federal Reporting System Part II: Compliance Evaluation

I. Name and Address of Reporting

Agency
Ohio Department of Natural Resources
Division of Oil and Gas Resources Management 2045 Morse Road, F-2 Columbus, Ohio 43229-6693

II. Date III. State October 21, 2013 contact/phone Tom Tomastik IV. Reporting period (month, year)

October 1, 2012 09/30/2013

			(614) 265-1032								
			1		Class	s and Ty	pe of I	njection	Wells		
						II					
	ITEM			AD	SWD 2D	ER 2R	HC 2H	III	IV	V	
_	Total Wells	A	Number of wells with violations		49	16		0			
V. Summary			1. # of unauthorized injection violations		0	0		0			
Of Violations	Total	В	2. # of Mechanical Integrity violations		28	9		0			
	Violations		3. # of operations and maintenance violations		21	7		0			
			4. # of plugging and abandonment violations		0	0		0			
			5. # of monitoring and reporting violations		0	0		0			
			6. # of other violations (specify)		0	0		0			
VI. Summary	Total Wells	A	# of wells with Enforcement Actions		49	16		0			
Of			1. # of notices of Violation	// //	49	16		0			
Enforcement	m.,	_	2. # of Consent Agreements		0	0		0			
	Total Enforceme nt	В	3. #Administrative Orders		0	0		0			
	Actions		4. # of Civil Referrals		0	0		0			
			5. # of Criminal Referrals		0	0		0			
			6. # of Well Shut- Ins		0	0		0			
			7. # of Pipeline Severances		NA	NA		NA			
			8. # of other enforcement actions (specify)		0	0		0			
VII. Summary of	# of wells returned to		A. This Quarter	001	29	11		0			
Compliance	compliance		B. This Year		51	16		0			
VIII. Contamination	# of cases of a USDW	Alleg	ed Contamination of		0	0		0			
IX. Remarks	1 1 00011			W-9901/11-9901/							

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature and Typed or Printed Name and Title of Person Completing Form Date Phone number Tom Tomastik, Geologist 10/21/2013 (614) 265-1032

(614) 265-1032



UIC Federal Reporting System Part III: Inspections Mechanical Integrity Testing

I. Name and Address of Reporting Agency
Ohio Department of Natural Resources
Division of Oil and Gas Resources
Management
2045 Morse Road, F-2
Columbus, Ohio 43229-6693

II. Date II.State contact/phone October 21, 2013 Tom Tomastik

IV. Reporting period (month, year)

Octobe	r 21, 2013		Tom Ton (614) 265		FROM	30		48	ТО	A CALLES AND A SECOND	Alle
			(014) 203	5-1032	-	er 1, 2012				30/201	13
					C	lass and	Type of	Inje	ction W	ells	
]	ТЕМ		AD	SWD 2D	ER 2R	H C 2 H	Ш	I V	V
	Total Wells	A	Number of Wells	Inspected		1527	561	н	75		
v.	7, 613		1. # of Mechanical In (MIT) Witnessed	tegrity Tested		46	11		8		
Summary of	Total	В	2. # of Emergency R Complaint Response 3. # of Well Construc	Inspections		0	0		0		
Inspections	Inspections	В		CONTRACTOR CONTRACTOR CONTRACTOR		18			2		
	-		4. # of Well Plugging			1	2		4		
			5. # of Routine/Perio	007110 1 074110 - 4.1 main 1000 - 1000 - 1		1462	548		61		
	Total Wells	A	Number of wells test Mechanical Integrity			200	129		43		
	Total Wells	В	# of rule	Passed 2-part test		NA	NA		NA		
VI.			authorized wells tested or evaluated for M I		NA	NA		NA			
			1. # of annulus pressure	Well passed		1144	598		NA		
Summary	For	C	monitoring record evaluations	Well failed		0	0		NA		
of	Significant		2. # of	Well passed		46	10		2		
Mechanical	Leak		Casing/Tubing Pressure Tests	Well failed		0	1		0		
			3. # of Monitoring	Well passed		200	129		43		
Integrity			Record Evaluations	Well failed		0	0		0		
(MI)			4. # of other significant leak	Well passed		0	0		0		
			tests/evaluations (specify)	Well failed		0	0		0		
		D	1. # of cement record evaluations	Well passed		16	4		11		
			The Control of Manager Control of the Control of th	Well failed		0	0		0		
	For Fluid		2. # of temperature/noise	Well passed		0	0		0		
	Migration		log tests	Well failed		0	0		0		
			3. # of Radioactive Tracer/Cement	Well passed		12	0		2		
			Bond Tests	Well failed		0	0		0		
			4. # of other fluid migration tests	Well passed		2**	0		0*		
			/evaluations (specify)	Well failed		0	0		0*		
VII.	Total Wells	A	# of wells with remed	2422.72	28	9		0			
Summary	Total Remedial	В	1. # of casing repaired remedial actions			5	0		0		
of	Actions		2. # of tubing/packer		23	9		0			
Remedial			3. # of plugging/aban actions			0	0		0		
Action			4. # of other remedial			0	0		0		
IX. Remarks			* - Freshwater –Brine	Interface Class III M	l test	** - Spin	ner Surve	ys			

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under

applicable law.

Signature and Typed or Printed Name and Title of Person Completing Form

Date

Telephone number

Tom Tomastik, Geologist

10/21/2013 (614) 265-1032

	HITED STATES
HINNS.	D E
ONN	3 3 S
	AL PONTECTE

UIC Federal Reporting System

I. Reporting Period

From:

To:

WHO WE PROTECT	Part IV: Quarterly Exce		October	1, 201	2							Sep	tem	ber	30,	20	13			
II.	ш.	IV.	V.	Sun	ımar	y of	Viola	itio	ns		VI. Sum	ma	ry o	f E	nfo	rce	mer	ıt		VII.
					Mark	"x"	viola	tion	typ	e		M	ark	"x"	enf	orce	eme	nt ty	pe	Date
Well Class and Type	Name and Address of Owner/Operator	Well I.D. Number (Permit Number)	Date of Violation	Unauthorized injection	Well Mechanical Integrity	Injection Pressure	Plugging & Abandonment	Formal Order	Falsification	Other (Specify)	Date of Enforce ment	Notice of Vi olation	Consent agreement	Administrati ve Code	Civil Referral	Criminal Referral	Well shut-in	Pipeline S e veran ce	Other (specify)	Compliance Achieved
	NONE																			
														-	-					
					3030003233											\vdash	_			
															-	\vdash	-			
I ce	rtify that the statements I hav knowingly false or n	ve made on thi	s form and	all at	Certi tachi inisha	nen	ts the	rete	o ar	e true,	accurate	, an	d co	omp	lete	e. I	ack	nov le la	vled	ge that any
Signat	ure of Person Completing Fo	rm	Typed o								Date	200	ч		_ ~ ~	7				umber
<	Jan Jarush	0	Tom To	masti	k, Geo	olog	ist				Octob	er 2	1, 2	013		(6	14)	265	-103	32
PA For	m 7520-4 DMRM revision (2003))																		



UIC Federal Reporting System Part I: Permit Review and Issuance/ Wells In Area of Review

I. Name and Address of Reporting Agency

Ohio Department of Natural Resources Division of Oil and Gas Resources Management 2045 Morse Road, F-2

Columbus, Ohio 43229-6693

II. Date
October 21, 2013
Cont

III. State contact/phone (614) 265-1032 IV. Reporting period (month, year)

FROM TO
October 1, 2012 09/30/2013

						Class and Type of Injection Wells						
								II				
		I	ΓEN	1		AD	SWD 2D	ER 2R	HC 2H	III	IV	V
V. Permit Application	1	Numbe	er of	Permit Applicat	ions Received	3						
				# of	New wells	3						
VI.			A	Individual Permits Issued (one well)	Existing wells	0						
Permit	Perr			# of area permits	New well field	0						
Determin- ation	Issu	ed	В	issued (multiple wells)	Existing field	0						
			С	# of wells in	New wells	0						
			C	area permits	Existing wells	0						
	Permit issued	not	D	# of permits de withdrawn (aft technical review	er complete	0						
	Modific Issued	ation	E	# of Major Per Modifications	Approved	0						
VII. Permit File	Nu	Number of Class II Wells reviewed				529						
Review		Re	view	ed	Wells deficient	0						
	Wells		A	# of wells in	Abandoned Wells	0						
	Reviewe	ed		Area of Review	Other wells	0						
VIII.	Wells		В	# of wells	Abandoned Wells	0						
Area Of Review	Identific For C/A			identified for Corrective Action	Other wells	0						
(AOR)	Wells w	ith	С	cemented C/	paired/re- A	0						
				2. # of active w Plugged/Aba	ndoned	0						
				3. # of abandon AOR re-plug	ged	0						
				4. # of wells in AOR with "other" corrective action								

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Signature and Typed or Printed Name and Title of Person Completing Form

Tom Tomastik, Geologist 10/21/2013 (614) 265-1032

EPA/ Form 7520-1

UIC Federal Reporting System Part II: Compliance Evaluation

I. Name and Address of Reporting

Agency
Ohio Department of Natural Resources
Division of oil and Gas Resources Management
2045 Morse Road, F-2

II. Da	ite		III. State	IV E	Reportin	a nerio	d (mor	ith vo	ar)	
October 21			contact/phone			g perio	u (IIIOI			
	,		Tom Tomastik (614) 265-1032	FROM Octo	ber 1, 2	2012	3/4/0-24/2	09	9/30/20	13
			(014) 203-1032		Class	and Ty	pe of Ir	niection	Wells	
						II	•	•		
	ITEM	93 63		AD	SWD 2D	ER 2R	HC 2H	III	IV	V
	Total Wells	A	Number of wells with violations	6						
V. Summary			1. # of unauthorized injection violations	0						
Of Violations	Total	В	2. # of Mechanical Integrity violations	6						
	Violations		3. # of operations and maintenance violations	0						
			4. # of plugging and abandonment violations	0						
			5. # of monitoring and reporting violations	0						
			6. # of other violations (specify)	0						
VI. Summary	Total Wells	A	# of wells with Enforcement Actions	6						
Of			1. # of notices of Violation	0						
Enforcement	7000 10 000		2. # of Consent Agreements	0						
	Total Enforceme	В	3. #Administrative Orders	6						
	nt Actions		4. # of Civil Referrals	0						
			5. # of Criminal Referrals	0						
			6. # of Well Shut- Ins	0						
			7. # of Pipeline Severances	NA						
			8. # of other enforcement actions (specify)	0						
VII. Summary of	# of wells returned to		A. This Quarter	1						
Compliance	compliance		, B. This Year	5						
VIII.	# of cases of a USDW	Alleg	ed Contamination of	0	***	-				

CERTIFICATION

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature and Typed or Printed Name and Title of Person Completing Form

Date

Phone number

Tom Tomastik, Geologist

(614) 265-1032

EPA/ Form 7520-2A



UIC Federal Reporting System Part II: Compliance Evaluation Significant Noncompliance

I. Name and Address of Reporting Agency

Ohio Department of Natural Resources
Division of Oil and Gas Resources Management
2045 Morse Road, F-2
Columbus, Ohio 43229-6693

į				Colun	nbus, Ohi	o 4322	29-6693	3		
The state of the s			III. State	IV. I	Reportir	ıg per	iod (n	ionth,	year)	
October	21, 2013			FRO	M			T	0	
			Tom Tomastik (614) 265-1032			2012)13
				-	Class	nd Tv	ne of I	niectio	n Wells	
						II	pe or r	lijeetik	VII VVCIIS	
	IT	EM		AD	SWD 2D	ER 2R	HC 2H	III	IV	V
	Total Wells	A	Number of Wells with SNC Violations	6						
V.			1. # of unauthorized SNC violations	0						
Summary Of Significant Non-	Contact/phone									
Compliance (SNC)				0						
(====)			abandonment SNC	0						
			Formal Orders							
				0						
			Violations	0						
		A		6						
VI.			Violation	0						
Summary	T-4-1		Agreements/Orders							
Of	Enforcement	В	Orders							
Enforcement	Actions		4. # of Civil Referrals	0						
Against			Referrals	0						
SNC			6. # of Well Shut-Ins	0					22 000 000 0	
SNC			Severances	NA						
			actions against SNC	0						
VII. Summary of	SNC									
Compliance	Compliance		The Party Environment of Section (Section Control of Section Control o							
VIII. Contamination	# of cases of A	lleged	Contamination of a USDW	Involu	ntary Wel	l Closu	re			
IX. Well closure	Class IV/Endar Well Closures	igerir	ng Class V	Volunt	ary Well	Closure	:			

CERTIFICATION

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature and Typed or Printed Name and Title of Person Completing Form
Tom Tomastik. Geologist

Date 10/21/2013 Phone number (614) 265-1032

riease type o	print an inton	nation.	Please read instructions on	ieve	rse.		0. 2040-00					
Prease type of		I Mecl	Federal Reporting System Part III: Inspections nanical Integrity Test	ing		Oh Dir M 204	me and A io Departs vision of C fanagement 45 Morse lumbus, C	ment of Dil and nt Road, F	Natura Gas Res	l Resou	irces	у
1	pared (month,	day,	III. State contact/phon	e (na	ame, telephone		eporting					
year)			no.)			FROM				I	0	
Octol	per 21, 201	13	Tom Tomas (614) 265-10		2	Octob	er 1, 2012	}		0	9/30/20	13
			-1			C	lass and	Type	of Inje	ection	Wells	
			ITEM					II				
						AD	SWD	ER	HC	III	IV	V
	Total	A	Number of Wells Ins	nect	ed	529	2D	2R	2H			-
	Wells		Transcr of thems ins	peer		329						
v.			1. # of Mechanical Inte Witnessed	grit	y Tested (MIT)	6						
Summary			2. # of Emergency Res Complaint Response			0						
of Inspections	Total Inspections	В	3. # of Well Constructi			0						
	Inspections		4. # of Well Pluggings	Witr	nessed	15						1
			5. # of Routine/Periodi	c Ins	spections	508						
		A	Number of wells tested of Mechanical Integrity	or ev	aluated for	6						
	Total Wells	В	# of rule authorized	Pa	ssed 2-part test	NA						
VI.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		wells tested or evaluated for M I	Fa	iled 2-part test	NA						
			1. # of annulus pressur		Well passed	NA						
			monitoring record evaluations		Well failed	NA						
Summary	For	C	2. # of Casing/Tubing		Well passed	2						
of	Significant Leak		Pressure Tests		Well failed	0						
01			3. # of Monitoring		Well passed							
Mechanical			Record Evaluations		Well failed	NA						
Integrity						NA						
(MI)			4. # of other significant leak tests/evaluation		Well passed	4*						
,			(specify)		Well failed	0*						
		D	1. # of cement record evaluations		Well passed	3						
			Cyaldations		Well failed	0						
	For Fluid		2. # of temperature/noi	se	Well passed	0						
	Migration		log tests		Well failed	0						
			3. # of Radioactive		Well passed	0	5.55					
	Tracer/Cement Bond Tests				Well failed	0						
					Well passed	4*						
			migration tests /evaluations (specify)	`	Well failed	0*						
VII.	A	# of wells with remedial		on	0							
Summary	Wells Total Remedial	В	1. # of casing repaired/s		0							
of	Actions	D	2. # of tubing/packer re	lial actions	0							
Remedial			3. # of plugging/abando			0						
Action			4. # of other remedial a	ctio	ns (specify)	0						

* Positive Displacement Tests

IX. Remarks

CERTIFICATION

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature and Typed or Printed Name and Title of Person Completing Form

Tom Tomastik, Geologist

Date

Telephone number
10/21/2013 (614) 265-1032

EPA/ Form 7520-3 DMI



UIC Federal Reporting System
Part IV: Quarterly Exceptions

I. Reporting Period

From:

October 1, 2012

To:

September 30, 2013

PROTECTION OF PROTECTION	Part IV: Quarterly Exce	eptions	October	1, 201	Z						1 2	Sep	tem	ber	30,	201	13			
II.	ш.	IV.	V.	. Sun	nmar	y of	Viola	tio	ns		VI. Sum	ma	ry o	of E	Cnfo	rce	men	ıt		VII.
					Mark	"x"	viola	tion	typ	е		M	ark	"x"	enf	orce	emei	nt ty	ре	Date
Well Class and Type	Name and Address of Owner/Operator	Well I.D. Number (Permit Number)	Date of Violation	Unauthorized injection	Well Mechanical Integrity	Injection Pressure	Plugging & Abandonment	Formal Order	Falsification	Other (Specify)	Date of Enforce ment	Notice of Vi olation	Consent agreement	Administrati ve Code	Civil Referral	Criminal Referral	Well shut-in	Pipeline S e veran ce	Other (specify)	Compliance Achieved
	NONE				ity		ent													
	tify that the statements I ha knowingly false or n	nisleading stat	is form and ement may	all at	Certi ttachr inisha	nen	ts the	reto	are	e true,	accurate,	, an bot	d co	omp nde	olete r aı	e. I	ack	nov le la	vled	ge that any
Signatu	re of Person Completing Fo	rm	Typed o	or Pri	nted l	Nan	ne an	d T	itle	A	Date					Te	elep	hon	e nı	ımber
EPA Form	n 7520-4 DMRM revision (2003)	Tom To	masti	k, Geo	olog	ist				Octob	er 2	1, 2	013		(6	14)	265	-103	52

ANNULAR DISPOSAL WELLS

Federal Fiscal Year 2013 - October 1, 2012 to September 30, 2013

MITS Conducted = 6

New Wells = 0 Passed = 6 Failed = 0 Existing wells = 3

2^{nd} Round MITS = 3

Passed = 3

Failed = 0

Did not test, so Annular Disposal Authorization Revoked = 6 wells

Inspections: Revoked Annular Disposal Wells = 5

New Well Permits Issued = 3 Well Constructions witnessed = 3 Mechanical Integrity Tests = 6

Temporarily Abandoned Annular Disposal Well Inspections = 500

Authorized well inspections = 0

Routine inspections = 0

Temporarily Abandoned Annular Disposal (TAAD) Wells:

Total TAAD wells as of September 30, 2013 = 1975 wells

Total TAAD wells removed from TAAD status since October 1, 1992 = 8,194 wells

Currently authorized Annular Disposal Wells as of September 30, 2013 = 83 wells

UIC WELL INVENTORY NUMBERS U.S. EPA FFY 2013

Type	Under Construction	Active	Temporarily Abandoned	Number of Sites	Total	Total Plugged/Abandoned IN FFY 2013
Class II ER	1 wells	130 wells	0	31	131 wells	2 wells
Class II SWD	30 wells	200 wells	0	230	230 wells	1 wells
Class II AD	0 wells	83 wells	1975 wells	NA	2064 wells	15 wells
Class III SMP	11 wells	43 wells	0	4	54 wells	4 wells

FINAL TECHNICAL REPORT - FEDERAL FISCAL YEAR 2013

For the Federal Fiscal Year (FFY) 2013, the Ohio Department of Natural Resources, Division of Oil and Gas Resources Management, in most cases, met or exceeded the Year 2013 Performance Measures and Outputs. Permitting activity for conventional Class II, Class III, and Class II Annular Disposal wells continued to increase, in part, due to the Class IID activity associated with the Marcellus Shale fluid from Pennsylvania and West Virginia and the Utica-Point Pleasant shale development in Ohio. The Division issued 42 Class II and seven Class III permits during FFY 2013. UIC staff reviewed all permit applications internally and the Division's field staff witnessed the critical construction operations. During FFY 2013, the Division conducted 2692 compliance reviews and inspections on Ohio's Class II and Class III wells. The State continued to witness 100% of the mechanical integrity tests. In FFY 2013, Division personnel witnessed a total of 71 Class II and Class III mechanical integrity tests. All conventional Class II wells are required to continuously monitor the annulus pressure or perform monthly minitests to demonstrate mechanical integrity. Class II Annular Disposal and Class III wells require mechanical integrity tests every five years.

All conventional Class II wells are inspected approximately every 11 to 12 weeks. In FFY 2013, the Division issued 71 notices of violation and administrative orders for conventional Class II and Class II annular disposal wells. Seven of the administrative orders were for annular disposal revocation or for suspension of injection operations. All Class II mechanical integrity failures are considered Significant Non-Compliance (SNC), and these orders were a part of the Division's major enforcement activity in FFY 2013. The Division's field staff conducted inspections to ensure compliance with these administrative orders and any well in non-compliance was pursued with additional enforcement action.

In FFY 2013, the Division continued the data entry of all pertinent UIC Class II and Class III technical information into the RBDMS database system. All of the UIC field inspections are now entered directly into laptops, which are later downloaded into the main RBDMS database in Central Office. Hard copies are made for the paper files. The Division has initiated the enforcement database that is tied to RBDMS system, providing easy access to all UIC technical and enforcement data in one database system. The Division is now e-mailing the UIC Class II Monthly Injection Well inventory list and the monthly UIC Outstanding Notices of Violation and Administrative Orders to all of the field staff and regional offices. These lists are continually being maintained and updated by the UIC geologist. The Division continues to maintain all of the UIC files in the paper form in the UIC Services Section. Technical staff members maintained these files for reporting, compliance schedules, investigations, enforcement actions, and semi-annual reporting to US EPA Region V. The Division has been sending UIC data to the National UIC Database through the Exchange Node electronically on a quarterly basis.

UIC personnel were involved in informal public meetings and occasionally were called upon to testify at hearings or court cases in FFY 2013. The Division of Oil and Gas Resources Management continued to participate in national conferences and meetings held by the Ground Water Protection Council (GWPC) during FFY 2013. In FFY 2013, Tom Tomastik served on GWPC's Water Energy Division. The Division continues to train the new field staff regarding UIC inspections, mechanical integrity testing, and the other Standard Operating Procedures developed for the UIC Program.